IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type:	Display
Manufacturer:	Sharp
Firmware Version:	N/A
Model(s):	LC-C4677UN, LC-C5277UN

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
1	10/14/2009	1.4.0	3.0.1	Initial version.

Driver Notes:

When Input is set to TV, input status in unavailable.

Control Commands & States:

Aspect Ratio*	Stretch 2	Smart stretch	Side Bar[1]
	Dot by Dot[2]	Zoom 1	Zoom 2[1]
	Full Screen[3]	Stretch 1	Normal[1]
	Toggle		
Audio Mute	On	Off	
Channel TV (Step)	Up	Down	
Closed Caption	Toggle		
Input	HDMI1	HDMI2	HDMI3
	HDMI4	HDMI5	RGB
	Component 1	Component 2	S-Video
	Video 1	Video 2	TV
	Toggle		
Power Control	On	Off	
Volume (Discrete)	0 to 60 in steps of 1		

*Toggle state toggles Side Bar, Stretch, Dot by Dot and Full Screen only.
[1]Only available when 4:3 signal is being input.
[2]Not available when UXGA/1080i/1080p is being input.
[3]Only available when 720p is being input.

Status Available:

Aspect Ratio	Normal	Stretch 1	Stretch 2
	Smart stretch	Side Bar	Dot by Dot
	Zoom 1	Zoom 2	Full Screen
	Toggle		
Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Input	HDMI1	HDMI2	HDMI3
	HDMI4	HDMI5	RGB
	Component 1	Component 2	S-Video
	Video 1	Video 2	
Power Control	On	Off	
Volume (Discrete)	0 to 60 in steps of 1		

MLC62 Supported Commands:

Aspect Ratio	Normal	Stretch 1	Stretch 2
	Smart stretch	Side Bar	Dot by Dot
	Zoom 1	Zoom 2	Full Screen
	Toggle		
Audio Mute	On	Off	
Channel TV (Step)	Up	Down	
Closed Caption	Toggle		
Input	HDMI1	HDMI2	HDMI3
	HDMI4	HDMI5	RGB
	Component 1	Component 2	S-Video
	Video 1	Video 2	TV
	Toggle		
Power Control	On	Off	RS232 Enable*
Volume (Discrete)	0 to 60 in steps of 1		

* To keep the RS232 active during standby, the “RS232 Enable” command needs to be configured **before** the Power Off button of the MLC62.

Cable and Adapter Requirements:

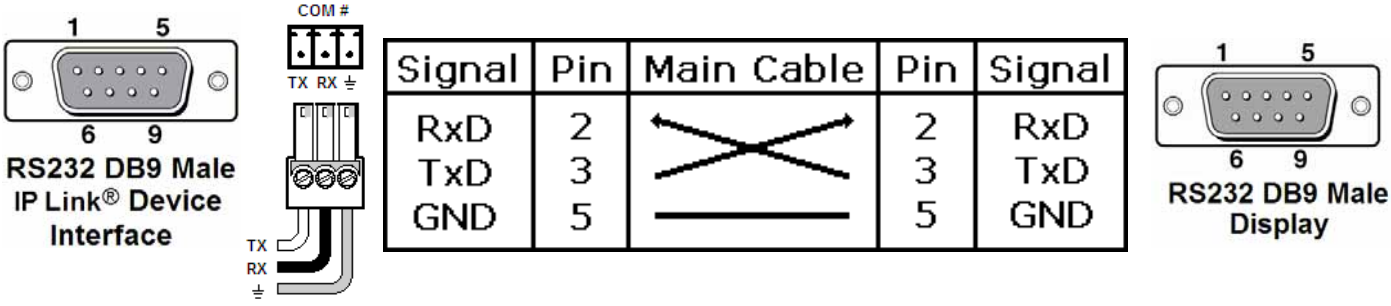
F/F RS-232 Null Modem Serial Cable

Notes for the Device:

Serial communication:

Port Type:	RS-232	**Parity:**	None
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Note: Captive screw connector may also be used as a serial connection.

General Notes: